

CLAIMS

1. A multilayer film comprising a substrate film (a), a hard coat layer (b) containing a (meth)acrylate compound, an electrically conductive layer (c) containing electrically conductive particles, and a resin layer (d) containing a fluorine compound, those layers being disposed on at least one face of the substrate film (a), wherein the resin layer (d) has fine irregularities on the surface and an arithmetic average surface roughness  $R_a$  ranging from  $0.003\ \mu\text{m}$  to  $0.025\ \mu\text{m}$  and the surface of the resin layer (d) of the multilayer film has a reflectance of less than 2%.

2. The multilayer film according to Claim 1, wherein the haze of the multilayer film is less than 3%.

3. The multilayer film according to Claim 1, wherein the substrate film (a) contains a polymer containing one selected from the group consisting of an ester, an olefin, an acetate, styrene, a carbonate, a sulfone, ether ethyl ketone, an imide, fluorine, a nylon, an acrylate, and an aliphatic olefin.

4. The multilayer film according to Claim 3, wherein the substrate film (a) contains a polymer containing one

selected from the group consisting of the ester, the acetate, and the acrylate.

5. The multilayer film according to Claim 1, wherein the electrically conductive layer (c) has a thickness of 0.01  $\mu\text{m}$  to 1.0  $\mu\text{m}$ .

6. The multilayer film according to Claim 1, wherein the electrically conductive particles of the electrically conductive layer (c) contain a metal oxide.

7. The multilayer film according to Claim 1, wherein the electrically conductive layer (c) has a conductive particle content of 70% to 90% by weight.

8. The multilayer film according to Claim 1, wherein the resin layer (d) contains a fluorine-containing copolymer having a vinyl ether in principal chain.

9. The multilayer film according to Claim 1, wherein the resin layer (d) contains silica particles with a particle size of 0.001  $\mu\text{m}$  to 0.2  $\mu\text{m}$ .

10. The multilayer film according to Claim 7, wherein the silica particles have two or more particle size

distributions.

11. The multilayer film according to Claim 1, wherein the resin layer (d) contains a silane coupling agent represented by the formula  $R(1)_aR(2)_bSiX_{4-(a+b)}$ , or a hydrolysate of the agent, or a product obtained by subjecting the hydrolysate to reaction, wherein R(1) and R(2) independently represent a hydrocarbon group having an alkyl group, an alkenyl group, an allyl group, a halogen group, an epoxy group, an amino group, a mercapto group, a methacryloxy group, or a cyano group, X represents a hydrolyzable substituent selected from the group consisting of an alkoxyl group, an alkoxyalkoxy group, a halogen group, and an acyloxy group, a and b are independently equal to zero, one, or two, and the sum of a and b is equal to one, two, or three.

12. The multilayer film according to Claim 1, wherein the fluorine compound contained in the resin layer (d) has an alkoxysilyl group.

13. A display film including the multilayer film according to Claim 1.

14. A display including the multilayer film according to Claim 13.

15. A display filter including the multilayer film according to Claim 1.

16. A front protector panel, including the display filter according to Claim 15, for plasma display panels.

17. A plasma display including the front protector panel for plasma display panels according to Claim 16.